

CLAIMS

What is claimed is:

1. A polyurethane foam obtained by foaming a polyurethane raw material comprising:
a polyol component;
a phenolic antioxidant selected from 3, 9-bis[2-{3-(3-t-butyl-4-hydroxy-5-methylphenyl) propioniloxy}-1,1-dimethylethyl]-2,4,8,10-tetraoxapyro [5,5] undecane and 2,2'-thio-diethylene bis [3-(3,5-di-t-butyl-4-hydroxyphenyl) propionate in an amount of 0.05-2.0 parts by weight for 100 parts by weight of the polyol component;
a benzotriazole UV absorbing agent in an amount of 0.1-3.0 parts by weight for 100 parts by weight of the polyol component; and
a phosphorous antioxidant in an amount of 0.5-6.0 parts by weight for 100 parts by weight of the polyol component,
wherein the polyurethane raw material is substantially free of dibutyl cresol.

2. The polyurethane foam according to claim 1, wherein the polyurethane raw material further comprises, in relation to 100 parts by weight of the polyol component, an isocyanate component (10-80 parts by weight), a catalyst (0.01-2.0 parts by weight), a foaming agent (1.0-25.0 parts by weight), and a foam stabilizer (0.01-3.0 parts by weight).

3. The polyurethane foam according to claim 2, wherein the polyol component has a number average molecular weight of 2500-5000, and an OH value of 40-60.

4. The polyurethane foam according to claim 2, wherein the isocyanate component comprises an organic polyisocyanate containing two or more isocyanate groups in one molecule and being selected from aliphatic polyisocyanate compounds, aromatic polyisocyanate compounds or modified products thereof.

5. The polyurethane foam according to claim 1, wherein the phenolic antioxidant is selected to be only 3,9-bis[2-{3-(3-t-butyl-4-hydroxy-5-methylphenyl) propioniloxy}-1,1-dimethylethyl]-2,4,8,10-tetraoxapyro [5,5] undecane.

6. The polyurethane foam according to claim 1, wherein the benzotriazole UV absorbing agent is in the amount of 0.1-2.0 parts by weight for 100 parts by weight of the polyol component.